

# Exhibit 1

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UNITED STATES DISTRICT COURT  
NORTHERN DISTRICT OF CALIFORNIA

GOOGLE LLC,

CASE NO. 3:20-cv-06754-WHA

Plaintiff,

14 | vs.

**SECOND AMENDED COMPLAINT FOR  
DECLARATORY JUDGMENT OF NON-  
INFRINGEMENT OF U.S. PATENT NOS.  
9,967,615; 10,779,033; 9,344,206; AND  
10,469,966; BREACH OF CONTRACT;  
BREACH OF THE IMPLIED COVENANT  
OF GOOD FAITH AND FAIR DEALING;  
CONVERSION**

**Defendant.**

## **DEMAND FOR JURY TRIAL**

1. Plaintiff Google LLC (“Google”) seeks a declaratory judgment of non-infringement and invalidity of United States Patent Nos. 9,967,615; 10,779,033; 9,344,206; 10,469,966; and 10,848,885 as follows:

### **NATURE OF THE ACTION**

5       2.     This is an action for a declaratory judgment of non-infringement and invalidity  
6 arising under the patent laws of the United States, Title 35 of the United States Code. Google  
7 requests this relief because Defendant Sonos, Inc. (“Sonos”) claims that Google infringes United  
8 States Patent Nos. 9,967,615 (“the ’615 patent”); 10,779,033 (“the ’033 patent”); 9,344,206 (“the  
9 ’206 patent”); 10,469,966 (“the ’966 patent”); and 10,848,885 (“the ’885 patent”) (collectively,  
10 the “Patents-in-Suit”) by making, using, selling, offering for sale, and/or importing the following  
11 products (collectively, “Accused Products”):

- “Smartphone, tablet, and computer devices, including Google’s own “Pixel” smartphone, tablet, and computer devices (e.g., the Pixel, Pixel XL, Pixel 2, Pixel 2 XL, Pixel 3, Pixel 3 XL, Pixel 3a, Pixel 3a XL, Pixel 4, Pixel 4 XL, Pixel 4a, Pixel 4a (5G), Pixel 5, Pixel 5a (5G), and Pixel 6 phones, the Pixel Slate tablet, and the Pixelbook and Pixelbook Go laptops), as well as third-party smartphone, tablet, or computer devices, that are installed with (i) any of Google’s own Cast-enabled Android, iOS, or Chrome apps that allow a user to transfer playback of streaming media content from the user’s smartphone, tablet, or computer devices to a Cast-enabled media player and then control the Cast-enabled media player’s playback, including but not limited to the YouTube Music app, Google Play Music app, YouTube app, Google Podcasts app, and YouTube TV app, (ii) any third-party Cast-enabled app that allows a user to transfer playback of streaming media content from the user’s smartphone, tablet, or computer devices to a Cast-enabled media player and then control the Cast-enabled media player’s playback, including but not limited to the Spotify app; and/or (iii) third-party smartphone, tablet, or computer devices, that are installed with the Google Home app;”

- 1       • “Cast-enabled media players having a display screen and installed with Cast-enabled  
2       software (*e.g.*, firmware and/or Cast-enabled apps) that allows a user to transfer  
3       playback of streaming media content from the Cast-enabled media player to another  
4       Cast-enabled media player and then control the other Cast-enabled media player’s  
5       playback, including Google’s Home Hub, Nest Hub, and Nest Hub Max media  
6       players;”
- 7       • “Servers that host the Google Home app for download onto smartphone, tablet, and  
8       computer devices;” and
- 9       • “Cast-enabled media players, including Google’s Chromecast, Chromecast Ultra,  
10      Chromecast Audio, Chromecast with Google TV, Home Mini, Nest Mini, Home,  
11      Home Max, Home Hub, Nest Hub, Nest Hub Max, Nest Audio, and Nest Wifi Point  
12      media players.”

13      See Sonos’s 10-21-2021 and 6-14-2021 Disclosure of Asserted Claims And Infringement  
14      Contentions.

15           3.      Sonos’s affirmative allegations of infringement of the Patents-in-Suit by the  
16      Accused Products has created a justiciable controversy between Google and Sonos.

17           4.      As a result of Sonos’s communication to Google of its intention to pursue claims of  
18      infringement of the Patents-in-Suit against Google, Google was under reasonable apprehension of  
19      suit by Sonos no later than September 28, 2020. Sonos subsequently filed an action for  
20      infringement of the Patents-in-Suit against Google on September 29, 2020.

21           5.      This is also an action for breach of contract, breach of the implied covenant of good  
22      faith and fair dealing, and conversion between Sonos and Google.

### 23                          THE PARTIES

24           6.      Plaintiff Google LLC is a subsidiary of Alphabet Inc. and a Delaware limited  
25      liability company with its principal place of business located at 1600 Amphitheatre Parkway,  
26      Mountain View, California 94043.

27           7.      Defendant Sonos, Inc. is a Delaware corporation with its principal place of business  
28      at 614 Chapala Street, Santa Barbara, California 93101.

**JURISDICTIONAL STATEMENT**

8. Google's declaratory judgment claims arise under the Declaratory Judgment Act, 28 U.S.C. § 2201, and under the patent laws of the United States, 35 U.S.C. §§ 1-390. This Court has subject matter jurisdiction over this action under 28 U.S.C. §§ 1331, 1338(a), and 2201(a).

9. This Court also has supplemental jurisdiction over the state law claims alleged in this Second Amended Complaint pursuant to 28 U.S.C. § 1337. The claims for breach of contract, breach of the implied covenant of good faith and fair dealing, and conversion are so related to the claims for non-infringement that they form part of the same case or controversy.

10. This Court has personal jurisdiction over defendant Sonos. Sonos is registered to do business in the State of California (Registration No. C2465272), has its headquarters in the State of California, and has offices in this District. Sonos, directly and through agents, regularly does, solicits, and transacts business in this District and elsewhere in the State of California.

11. Venue is proper in this District under 28 U.S.C. Section 1331. Sonos has a regular and established place of business in this District—specifically, offices and employees located at 550 Montgomery Street, Suite 750, San Francisco, CA 94111. Sonos lists this San Francisco office on its website (<https://www.sonos.com/en-us/contact>, a true and correct copy of which is attached as Exhibit 1), and the Sonos office at this location is advertised by Sonos as a current place of business (including in the building's directory in the public lobby). Also, a substantial part of the events giving rise to Google's claim occurred in this District, and further Sonos is subject to personal jurisdiction here. For example, on September 28, 2020, Sonos sent an email to a Google employee who works in this District indicating that Sonos will be initiating a case against Google LLC asserting infringement of the Patents-in-Suit. Sonos then filed an action for patent infringement against Google on September 29, 2020 in the Western District of Texas, which was transferred to the Northern District of California on September 28, 2021. *See Sonos, Inc. v. Google LLC*, Case No. 3:21-cv-07559-WHA, Dkt. No. 118 (N.D. Cal.). Further, a substantial part of the events that give rise to Google's state law claims, including events pertaining to Sonos and Google's collaboration between 2013 to 2015 and the development of the cloud queue technology occurred in this District. And the Content Integration Agreement that

governs the collaboration includes a forum selection clause requiring the state law claims be litigated in California.

12. An immediate, real, and justiciable controversy exists between Google and Sonos as to whether Google is infringing or has infringed the Patents-in-Suit.

## **INTRADISTRICT ASSIGNMENT**

13. This Intellectual Property Action is assigned to Judge William Alsup pursuant to Civil Local Rules 3-2(c) and 3-5(b).

## **SONOS'S COLLABORATION WITH GOOGLE**

9        14. Google was founded in 1998, and has a mission to organize the world's  
10 information and make it universally accessible and useful. Over the past two decades, in service  
11 of that mission, Google has become one of the world's most innovative technology companies.

12        15. Google's revolutionary advances in search, software, mobile computing, wireless  
13 networking, content streaming, machine learning, and voice-assisted technologies including  
14 speech recognition and advanced audio processing, have changed and improved millions of lives.

15        16. As part of its commitment to innovation, Google has invested significantly in  
16 extensive research and development efforts, including its own research, as well as investments in  
17 and acquisitions of other cutting-edge technology companies. Google is the current assignee of  
18 tens of thousands of patents worldwide.

17. Google partners with other companies to bring Google's innovations to millions of  
shared customers. In particular, Google has long had a continued partnership with Sonos. During  
their partnership, Sonos has repeatedly asked Google for assistance, so that Sonos could employ  
Google technology to improve Sonos's products.

23        18. In 2013, Sonos asked for Google's assistance to integrate with Google's popular  
24 Play Music service. Google gave Sonos that assistance, and provided significant engineering  
25 resources, technical support, and other resources to integrate Sonos's products with Google's Play  
26 Music service from 2013- through 2015.

27        19. In 2016, Sonos again asked for Google's assistance—this time to integrate with  
28 Google's innovative Assistant software. And again, Google was willing to help. Google gave

1 Sonos significant assistance in designing, implementing, and testing a solution that would bring  
2 Google's voice recognition software to Sonos's devices. This effort again involved substantial  
3 Google engineering resources, including significant months of employee work time, for the initial  
4 launch of Google's Assistant on Sonos's products in May 2019.

5       20. Google is proud of its more than five-year partnership with Sonos, and has worked  
6 constructively with Sonos to make the companies' products work seamlessly by building special  
7 integrations for Sonos. For instance, when Google rolled out the ability to set a Sonos speaker as  
8 the default option for Google Assistant, it was the first time Google had done that for any partner  
9 company.

10       **SONOS AND GOOGLE ENTER INTO COLLABORATION AGREEMENTS**

11       21. Google and Sonos executed several agreements in connection with their  
12 collaboration on the integration of Google Play Music. For example, in January 2013, Google and  
13 Sonos entered into a Non-Disclosure Agreement “[REDACTED]  
14 [REDACTED]” Ex. 2. And in  
15 November of 2013, Sonos and Google entered into a Content Integration Agreement under which  
16 Sonos asked Google (inter alia) to make resources available to Sonos, “[REDACTED]  
17 [REDACTED]  
18 [REDACTED]  
19 [REDACTED]” Ex. 3 at 8.  
20 Pursuant to the Content Integration Agreement, Google provided Sonos with substantial  
21 assistance, including access to Google's engineers and knowledge of Google's products and  
22 technology, including products and technology at issue in this action.

23       22. The Content Integration Agreement governs the ownership of “Provider  
24 Developments.” Specifically, Section 3.4 of the Content Integration Agreement provides that  
25 Google owns “[REDACTED]” intellectual property rights “[REDACTED]” to “[REDACTED]  
26 [REDACTED],” and that Sonos will not “[REDACTED]” any such rights:  
27 [REDACTED]  
28 [REDACTED]

1 [REDACTED]  
2  
3  
4  
5 Ex. 3 § 3.4. “[REDACTED]” are defined as “[REDACTED]”  
6 [REDACTED]  
7 [REDACTED]  
8 [REDACTED]  
9 [REDACTED]  
10 [REDACTED]” *Id.* § 3.4. In other words, the parties agreed that Google  
11 would own “[REDACTED]”  
12 [REDACTED]”

13 23. The Content Integration Agreement defines “[REDACTED]” as  
14 follows:  
15 [REDACTED]  
16 [REDACTED]

17 *Id.* at Recitals. Cloud queue, the functionality that Sonos accuses of infringing the ‘615 and ‘033  
18 patents, arises from or relates to the “[REDACTED],” including the development work  
19 done by Google to create the “[REDACTED]”  
20 [REDACTED]”

21 **SONOS AND GOOGLE COLLABORATE ON CLOUD QUEUE**

22 24. Pursuant to the parties’ agreements, Google and Sonos collaborated closely on  
23 cloud queue for Google Play Music between 2013 and 2015.

24 25. At least by December of 2013, Google told Sonos—including Sonos engineer Tad  
25 Coburn, the named inventor of the ‘615 and ‘033 patents—that Google was considering using “a  
26 more cloud queue centric model that would help simplify things a bit (moving the interactions  
27 away from the device, quickly),” to which Mr. Coburn responded that “[t]he idea of moving the  
28 playlist to the cloud is very interesting, but will definitely complicate things.”

1       26. In the months that followed, Mr. Coburn continued to express excitement regarding  
 2 the cloud queue idea that Google had proposed.

3       27. For instance, in May of 2014, Mr. Coburn exchanged multiple emails with Google  
 4 seeking an update on the status of “queues in the cloud.” Google informed Mr. Coburn that it was  
 5 thinking about the details of the design, and listed some of the goals Google had in mind for “cloud  
 6 queue,” for example that “the cloud queue will be what we call a ‘container aware queue’ - you can  
 7 queue up a playlist, modify the playlist elsewhere, and the e2e experience will quickly reflect the  
 8 latest contents,” and that “the receiver will be able to get a few songs at a time from the cloud  
 9 queue.” *Id.*

10      28. By June of 2014, Mr. Coburn stated that he was “itching to start prototyping cloud  
 11 queue playback on our end” and explained that Google and Sonos had “discussed things enough  
 12 that” he had a “good idea” of how “your [i.e., Google’s] CloudQueue” will work.

13      29. Throughout the collaboration, Mr. Coburn was personally involved in weekly  
 14 “Google/Sonos Sync[s],” regular calls to discuss cloud queue development, and multiple day-long  
 15 in-person meetings with Google’s cloud queue team. Mr. Coburn posed detailed technical  
 16 questions to Google regarding cloud queue, requested specific features and capabilities, asked  
 17 Google to share its cloud queue API design before the public release—which Google did—and  
 18 provided feedback on Google’s design.

19      30. Thus, pursuant to the Content Integration Agreement, the cloud queue technology  
 20 was the sole and exclusive property of Google, and Sonos was not permitted to “[REDACTED]  
 21 [REDACTED]” cloud queue technology.

## 22 **SONOS WRONGFULLY CLAIMS RIGHTS IN THE CLOUD QUEUE TECHNOLOGY**

23      31. Despite the Content Integration Agreement, Sonos has willfully and wrongfully  
 24 attempted to claim Google’s idea for itself. For example, Sonos did not introduce the alleged  
 25 notion of a cloud-based queue into its patents until 2019. *See, e.g.*, ‘033 prosecution history  
 26 (November 1, 2019 amendment adding notion of “remote playback queue”). And Sonos has now  
 27 referred to the ‘615 and ‘033 patents as its “cloud queue patents”: “Two of the patents-in-suit are  
 28 what we call our cloud queue patents, and they deal with exactly how music streaming on a cloud

gets transferred between a device, let's say a cell phone, and a speaker and how do you take a queue that's queued up in the cloud and transfer that queue of music from one device to another."

*See Dkt. No. 38 (11-23-2020 Hearing Tr.) at 17:3-8.*

32. To the extent Sonos's interpretation of these patents is credited, the technology that Google was developing in 2013 through 2015 (which Sonos was aware of in connection with the parties' collaboration), including this cloud queue technology, is in relevant respects, analogous to technology that Sonos now accuses of infringing its patents.

8        33. In fact, many of Sonos's infringement allegations are directed at Google  
9 technologies that arise out of or are related to work done by Google as part of the collaboration.  
10 For instance, Sonos has alleged that Google Play Music on iOS and Android devices infringes  
11 these patents based on its use of cloud queue technology. Yet the collaboration between Google  
12 and Sonos was directed to, inter alia, the integration of cloud queue into the Google Play Music  
13 casting experience (including for Google Play Music on iOS and Android devices).

34. Google conceived of this cloud queue idea, shared it with Sonos, and worked with  
Sonos to release it on the Google Play Music platform. Having been involved in the earlier  
collaborations, Sonos was aware that Google, not Sonos, conceived of the cloud queue technology  
and that Sonos had no right to draft claims that Sonos contends encompass the cloud-queue  
technology.

## **GOOGLE DOES NOT INFRINGE THE PATENTS-IN-SUIT**

35. The Accused Products do not directly or indirectly infringe any claim of the  
Patents-in-Suit, literally or under the doctrine of equivalents.

36. No third party infringes any claim of the Patents-in-Suit by using a Google product  
or service. Google has not caused, directed, requested, or facilitated any such infringement, much  
less with specific intent to do so. The Accused Products are not designed for use in any  
combination that infringes any claim of the Patents-in-Suit. To the contrary, each has substantial  
uses that do not infringe any claim of the Patents-in-Suit.

**FIRST COUNT****(Declaration of Noninfringement of 9,967,615)**

37. Google restates and incorporates by reference the allegations in paragraphs 1 through 36 of this Complaint as if fully set forth herein.

38. Sonos claims to own all rights, title, and interest in and under the '615 patent. A true and correct copy of the '615 patent is attached hereto as Exhibit 4.

39. Google does not directly or indirectly infringe the '615 patent, either literally or under the doctrine of equivalents, at least because the Accused Products do not comprise a tangible, non-transitory computer-readable storage medium including instructions for execution by a processor, the instructions, when executed, cause a control device to implement a method comprising: (1) causing a graphical interface to display a control interface including one or more transport controls to control playback by the control device; (2) after connecting to a local area network via a network interface, identifying playback devices connected to the local area network; (3) causing the graphical interface to display a selectable option for transferring playback from the control device; (4) detecting a set of inputs to transfer playback from the control device to a particular playback device, wherein the set of inputs comprises: (i) a selection of the selectable option for transferring playback from the control device and (ii) a selection of the particular playback device from the identified playback devices connected to the local area network; (5) after detecting the set of inputs to transfer playback from the control device to the particular playback device, causing playback to be transferred from the control device to the particular playback device, (6) wherein transferring playback from the control device to the particular playback device comprises: (a) causing one or more first cloud servers to add multimedia content to a local playback queue on the particular playback device, wherein adding the multimedia content to the local playback queue comprises the one or more first cloud servers adding, to the local playback queue, one or more resource locators corresponding to respective locations of the multimedia content at one or more second cloud servers of a streaming content service; (b) causing playback at the control device to be stopped; and (c) modifying the one or more transport controls of the control interface to control playback by the playback device; and (7) causing the particular

1 playback device to play back the multimedia content, wherein the particular playback device  
 2 playing back the multimedia content comprises the particular playback device retrieving the  
 3 multimedia content from one or more second cloud servers of a streaming content service and  
 4 playing back the retrieved multimedia content.

5       40. For example, the Accused Products do not include the claimed transfer or addition  
 6 to a “local playback queue on the particular playback device.” All the independent claims of the  
 7 ’615 patent include limitations requiring “transferring playback from the control device to the  
 8 particular playback device.” ’615 patent, Claims 1, 13 and 25. Transferring playback comprises  
 9 “causing one or more first cloud servers to add multimedia content to a local playback queue on  
 10 the particular playback device” *Id.* This functionality is not included in any of the Accused  
 11 Products, according to Google’s understanding of this limitation of the ’615 patent. For example,  
 12 the Accused Products do not include a local queue on an alleged remote playback device for  
 13 playback of media. Instead, the alleged playback device (i.e., Chromecast, Chromecast Ultra,  
 14 Chromecast Audio, Chromecast with Google TV, Home Mini, Nest Mini, Home, Home Max,  
 15 Home Hub, Nest Hub, Nest Hub Max, Nest Audio, Nest Wifi Point) requests each song one-by-  
 16 one to play back. Accordingly, none of the Accused Products include the claimed transfer or  
 17 addition to a “local playback queue on the particular playback device” and consequently also do  
 18 not perform any of the recited steps in connection with the local playback queue. Because the  
 19 terms “causing one or more first cloud servers to add multimedia content to a local playback queue  
 20 on the particular playback device” are included in every independent claim of the ’615 patent,  
 21 none of the Accused Products infringe any claims of the ’615 patent.

22       41. No third party infringes any claim of the ’615 patent by using a Google product or  
 23 service. Google has not caused, directed, requested, or facilitated any such infringement, much  
 24 less with specific intent to do so. The Accused Products are not designed for use in any  
 25 combination which infringes any claim of the ’615 patent. To the contrary, each has substantial  
 26 uses that do not infringe any claim of the ’615 patent.  
 27  
 28

42. A substantial, immediate, and real controversy therefore exists between Google and Sonos regarding whether Google infringes the '615 patent. A judicial declaration is appropriate and necessary to determine the parties' respective rights regarding the '615 patent.

43. Google seeks a judgment declaring that Google does not directly or indirectly infringe any claim of the '615 patent.

## **SECOND COUNT**

**(Declaration of Invalidity of 9,967,615)**

44. Google restates and incorporates by reference the allegations in paragraphs 1 through 43 of this Complaint as if fully set forth herein.

45. Due to Sonos's filing of the complaint in the Western District of Texas and service of infringement contentions pursuant to Patent Local Rules 3-3 and 3-4, an actual controversy exists between Google and Sonos as to the validity of the '615 Patent.

46. The claims of the ‘615 Patent are invalid, in whole or in part, for failure to meet one or more requirements of Title 35 of the United States Code, including but not limited to §§ 101, 102, 103, and/or 112.

47. By way of example, the asserted claims of the '615 patent are invalid based on one or more of Google's own Nexus Q and YouTube TV prior art, and the prior art references listed on the face of the patents.

48. Under the Federal Declaratory Judgment Act, 28 U.S.C. § 2201 et seq., Google requests a judicial determination and declaration that the claims of the ‘615 Patent are invalid.

## **THIRD COUNT**

**(Declaration of Noninfringement of 10,779,033)**

49. Google restates and incorporates by reference the allegations in paragraphs 1 through 48 of this Complaint as if fully set forth herein.

50. Sonos claims to own all rights, title, and interest in and under the '033 patent. A true and correct copy of the '033 patent is attached hereto as Exhibit 5.

51. Google does not directly or indirectly infringe the '033 patent, either literally or under the doctrine of equivalents, at least because the Accused Products do not comprise a

1 computing device comprising: (1) at least one processor; (2) a non-transitory computer-readable  
2 medium; and (3) program instructions stored on the non-transitory computer-readable medium  
3 that, when executed by the at least one processor, cause the computing device to perform functions  
4 comprising: (4) operating in a first mode in which the computing device is configured for  
5 playback of a remote playback queue provided by a cloud-based computing system associated  
6 with a cloud-based media service; (5) while operating in the first mode, displaying a  
7 representation of one or more playback devices in a media playback system that are each (i)  
8 communicatively coupled to the computing device over a data network and (ii) available to accept  
9 playback responsibility for the remote playback queue; (6) while displaying the representation of  
10 the one or more playback devices, receiving user input indicating a selection of at least one given  
11 playback device from the one or more playback devices; (7) based on receiving the user input,  
12 transmitting an instruction for the at least one given playback device to take over responsibility for  
13 playback of the remote playback queue from the computing device, wherein the instruction  
14 configures the at least one given playback device to (i) communicate with the cloud-based  
15 computing system in order to obtain data identifying a next one or more media items that are in  
16 the remote playback queue, (ii) use the obtained data to retrieve at least one media item in the  
17 remote playback queue from the cloud-based media service; and (iii) play back the retrieved at  
18 least one media item; (8) detecting an indication that playback responsibility for the remote  
19 playback queue has been successfully transferred from the computing device to the at least one  
20 given playback device; and (9) after detecting the indication, transitioning from (i) the first mode  
21 in which the computing device is configured for playback of the remote playback queue to (ii) a  
22 second mode in which the computing device is configured to control the at least one given  
23 playback device's playback of the remote playback queue and the computing device is no longer  
24 configured for playback of the remote playback queue.

25        52. For example, the Accused Products do not include the claimed instruction "wherein  
26 the instruction configures the at least one given playback device to (i) communicate with the  
27 cloud-based computing system in order to obtain data identifying a next one or more media items  
28 that are in the remote playback queue, (ii) use the obtained data to retrieve at least one media item

1 in the remote playback queue from the cloud-based media service; and (iii) play back the retrieved  
2 at least one media item.” (emphasis added). All independent claims of the ’033 patent include  
3 limitations requiring “operating in a first [playback] mode.” ’033 patent, Claims 1, 12 and 15.  
4 While operating in this first mode, the computing device transmits an instruction to the playback  
5 device, “wherein the instruction configures the at least one given playback device to (i)  
6 communicate with the cloud-based computing system in order to obtain data identifying a next  
7 one or more media items that are in the remote playback queue, (ii) use the obtained data to  
8 retrieve at least one media item in the remote playback queue from the cloud-based media service;  
9 and (iii) play back the retrieved at least one media item.” *Id.* The Accused Products do not  
10 include a single instruction (i.e., “the instruction”) that performs all these functions. While  
11 Google does not admit it performs any of these claim limitations, at a minimum, it uses multiple  
12 different “instructions” when a user is employing the Cast protocol to play audio on a remote  
13 playback device, such as a Google Home Max. Because these terms are included in every  
14 independent claim of the ’033 patent, none of the Accused Products infringe any claims of the  
15 ’033 patent.

16       53. No third party infringes any claim of the ’033 patent by using a Google product or  
17 service. Google has not caused, directed, requested, or facilitated any such infringement, much  
18 less with specific intent to do so. The Accused Products are not designed for use in any  
19 combination which infringes any claim of the ’033 patent. To the contrary, each has substantial  
20 uses that do not infringe any claim of the ’033 patent.

21       54. A substantial, immediate, and real controversy therefore exists between Google and  
22 Sonos regarding whether Google infringes the ’033 patent. A judicial declaration is appropriate  
23 and necessary to determine the parties’ respective rights regarding the ’033 patent.

24       55. Google seeks a judgment declaring that Google does not directly or indirectly  
25 infringe any claim of the ’033 patent.

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## **FOURTH COUNT**

**(Declaration of Invalidity of 10,779,033)**

56. Google restates and incorporates by reference the allegations in paragraphs 1 through 55 of this Complaint as if fully set forth herein.

57. Due to Sonos's filing of the complaint in the Western District of Texas and service of infringement contentions pursuant to Patent Local Rules 3-3 and 3-4, an actual controversy exists between Google and Sonos as to the validity of the '033 Patent.

8        58.      The claims of the ‘033 Patent are invalid, in whole or in part, for failure to meet  
9 one or more requirements of Title 35 of the United States Code, including but not limited to §§  
10 101, 102, 103, and/or 112.

11        59. By way of example, the asserted claims of the '033 patent are invalid based on one  
12 or more of Google's own Nexus Q and YouTube TV prior art, and the prior art references listed  
13 on the face of the patents.

14       60. Under the Federal Declaratory Judgment Act, 28 U.S.C. § 2201 et seq., Google  
15 requests a judicial determination and declaration that the claims of the ‘033 Patent are invalid.

## FIFTH COUNT

**(Declaration of Noninfringement of 9,344,206)**

18        61.     Google restates and incorporates by reference the allegations in paragraphs 1  
19 through 60 of this Complaint as if fully set forth herein.

62. Sonos claims to own all rights, title, and interest in and under the '206 patent. A  
true and correct copy of the '206 patent is attached hereto as Exhibit 6.

22        63. Google does not directly or indirectly infringe the '206 patent, either literally or  
23 under the doctrine of equivalents, at least because the Accused Products do not comprise a  
24 multimedia controller including a processor, the controller configured to: (1) receive, via a  
25 network interface, a zone configuration from a first independent playback device of a plurality of  
26 independent playback devices, wherein the zone configuration is configured via the controller and  
27 maintained at the first independent playback device, and wherein the zone configuration  
28 characterizes one or more zone scenes, each zone scene identifying a group configuration

1 associated with two or more of the plurality of independent playback devices; and (2) cause a  
 2 selectable indication of the received zone configuration to be displayed, wherein the displayed  
 3 selectable indication is selectable to cause one or more of the zone scenes to be invoked by two or  
 4 more of the plurality of independent playback devices.

5       64. For example, the Accused Products do not include the claimed “zone scene[s],”  
 6 including at the one or more claimed playback devices. “Zone scene” functionality is not included  
 7 in any of the Accused Products. The Accused Products in some configurations and instances  
 8 include conventional speaker grouping functionality. But the patent repeatedly distinguishes  
 9 conventional speaker grouping from the claimed “zone scene” technology. For example, the ’206  
 10 patent describes speaker groups as “groups.” *E.g.*, ’206 patent at 1:56-2:10. To contrast, the ’206  
 11 patent describes “one aspect of the present invention” as “a mechanism [] provided to allow a user  
 12 to group some of the players according to a theme or scene . . . .” *E.g.*, *id.* 2:30-33. None of the  
 13 Accused Products provide the “zone scene” functionality as described in the ’206 patent, including  
 14 at the one or more claimed playback devices, but instead only contain conventional speaker  
 15 grouping in certain configurations or instances. Some products, such as the Chromecast (1st gen),  
 16 do not support speaker grouping at all. Because the term “zone scene” is included in every  
 17 independent claim of the ’206 patent, none of the Accused Products infringe any claims of the  
 18 ’206 patent.

19       65. No third party infringes any claim of the ’206 patent by using a Google product or  
 20 service. Google has not caused, directed, requested, or facilitated any such infringement, much  
 21 less with specific intent to do so. The Accused Products are not designed for use in any  
 22 combination which infringes any claim of the ’206 patent. To the contrary, each has substantial  
 23 uses that do not infringe any claim of the ’206 patent.

24       66. A substantial, immediate, and real controversy therefore exists between Google and  
 25 Sonos regarding whether Google infringes the ’206 patent. A judicial declaration is appropriate  
 26 and necessary to determine the parties’ respective rights regarding the ’206 patent.

27       67. Google seeks a judgment declaring that Google does not directly or indirectly  
 28 infringe any claim of the ’206 patent.

## SIXTH COUNT

**(Declaration of Invalidity of 9,344,206)**

3       68. Google restates and incorporates by reference the allegations in paragraphs 1  
4 through 67 of this Complaint as if fully set forth herein.

5        69. Due to Sonos's filing of the complaint in the Western District of Texas, an actual  
6 controversy exists between Google and Sonos as to the validity of the '206 Patent.

7       70.     The claims of the ‘206 Patent are invalid, in whole or in part, for failure to meet  
8 one or more requirements of Title 35 of the United States Code, including but not limited to §§  
9 101, 102, 103, and/or 112.

10        71. By way of example, the asserted claims of the '206 patent are invalid based on one  
11 or more of Sonos's own products and patents, Logitech Squeezebox devices, and the prior art  
12 references listed on the face of the patents.

13       72. Under the Federal Declaratory Judgment Act, 28 U.S.C. § 2201 et seq., Google  
14 requests a judicial determination and declaration that the claims of the ‘206 Patent are invalid.

SEVENTH COUNT

**(Declaration of Noninfringement of 10,469,966)**

17        73. Google restates and incorporates by reference the allegations in paragraphs 1  
18 through 72 of this Complaint as if fully set forth herein.

19       74. Sonos claims to own all rights, title, and interest in and under the '966 patent. A  
20 true and correct copy of the '966 patent is attached hereto as Exhibit 7.

21        75. Google does not directly or indirectly infringe the '966 patent, either literally or  
22 under the doctrine of equivalents, at least because the Accused Products do not comprise a  
23 computing device comprising: (1) one or more processors; (2) a non-transitory computer-readable  
24 medium; and (3) program instructions stored on the non-transitory computer-readable medium  
25 that, when executed by the one or more processors, cause the computing device to perform  
26 functions comprising: (4) while serving as a controller for a networked media playback system  
27 comprising a first zone player and at least two other zone players, wherein the first zone player is  
28 operating in a standalone mode in which the first zone player is configured to play back media

1 individually; (5) receiving a first request to create a first zone scene comprising a first predefined  
2 grouping of zone players including at least the first zone player and a second zone player that are  
3 to be configured for synchronous playback of media when the first zone scene is invoked; (6)  
4 based on the first request, (i) causing creation of the first zone scene, (ii) causing an indication of  
5 the first zone scene to be transmitted to the first zone player, and (iii) causing storage of the first  
6 zone scene; (7) receiving a second request to create a second zone scene comprising a second  
7 predefined grouping of zone players including at least the first zone player and a third zone player  
8 that are to be configured for synchronous playback of media when the second zone scene is  
9 invoked, wherein the third zone player is different than the second zone player; (8) based on the  
10 second request, (i) causing creation of the second zone scene, (ii) causing an indication of the  
11 second zone scene to be transmitted to the first zone player, and (iii) causing storage of the second  
12 zone scene; (9) displaying a representation of the first zone scene and a representation of the  
13 second zone scene; and (10) while displaying the representation of the first zone scene and the  
14 representation of the second zone scene, receiving a third request to invoke the first zone scene;  
15 and (11) based on the third request, causing the first zone player to transition from operating in the  
16 standalone mode to operating in accordance with the first predefined grouping of zone players  
17 such that the first zone player is configured to coordinate with at least the second zone player to  
18 output media in synchrony with output of media by at least the second zone player.

19       76.     For example, the Accused Products do not include the claimed “zone scene[s],”  
20 including at the one or more claimed “zone players.” “Zone scene” functionality is not included in  
21 any of the Accused Products. The Accused Products in certain configurations and instances  
22 include conventional speaker grouping functionality. But the patent repeatedly distinguishes  
23 conventional speaker grouping from the claimed “zone scene” technology. For example, the ’966  
24 patent describes speaker groups as “groups.” *E.g.*, ’966 patent at 1:62-2:17. To contrast, the ’966  
25 patent describes “one aspect of the present invention” as “a mechanism [] provided to allow a user  
26 to group some of the players according to a theme or scene . . . .” *E.g.*, *id.* 2:38-41. None of the  
27 Accused Products provide the “zone scene” functionality as described in the ’966 patent, including  
28 at the one or more claimed “zone players,” but instead only contain conventional speaker grouping

in certain configurations or instances. Some products, such as the Chromecast (1st gen), do not support speaker grouping at all. Because the term “zone scene” is included in every independent claim of the ’966 patent, none of the Accused Products infringe any claims of the ’966 patent.

4       77. No third party infringes any claim of the '966 patent by using a Google product or  
5 service. Google has not caused, directed, requested, or facilitated any such infringement, much  
6 less with specific intent to do so. The Accused Products are not designed for use in any  
7 combination which infringes any claim of the '966 patent. To the contrary, each has substantial  
8 uses that do not infringe any claim of the '966 patent.

9       78.     A substantial, immediate, and real controversy therefore exists between Google and  
10 Sonos regarding whether Google infringes the '966 patent. A judicial declaration is appropriate  
11 and necessary to determine the parties' respective rights regarding the '966 patent.

12        79.     Google seeks a judgment declaring that Google does not directly or indirectly  
13 infringe any claim of the '966 patent.

## **EIGHTH COUNT**

**(Declaration of Invalidity of 10,469,966)**

16        80.     Google restates and incorporates by reference the allegations in paragraphs 1  
17 through 79 of this Complaint as if fully set forth herein.

18        81. Due to Sonos's filing of the complaint in the Western District of Texas and service  
19 of infringement contentions pursuant to Patent Local Rules 3-3 and 3-4, an actual controversy  
20 exists between Google and Sonos as to the validity of the '966 Patent.

21        82. The claims of the ‘966 Patent are invalid, in whole or in part, for failure to meet  
22 one or more requirements of Title 35 of the United States Code, including but not limited to §§  
23 101, 102, 103, and/or 112.

24        83. By way of example, the asserted claims of the '966 patent are invalid based on one  
25 or more of Sonos's own products and patents, Logitech Squeezebox devices, and the prior art  
26 references listed on the face of the patents.

27       84. Under the Federal Declaratory Judgment Act, 28 U.S.C. § 2201 et seq., Google  
28 requests a judicial determination and declaration that the claims of the '966 Patent are invalid.

## NINTH COUNT

## **(Declaration of Noninfringement of 10,848,885)**

3        85. Google restates and incorporates by reference the allegations in paragraphs 1  
4 through 84 of this Complaint as if fully set forth herein.

5        86. Sonos claims to own all rights, title, and interest in and under the '885 patent. A  
6 true and correct copy of the '885 patent is attached hereto as Exhibit 8.

7        87. Google does not directly or indirectly infringe the '885 patent, either literally or  
8 under the doctrine of equivalents, at least because the Accused Products do not comprise a first  
9 zone player comprising: (1) a network interface that is configured to communicatively couple the  
10 first zone player to at least one data network; (2) one or more processors; (3) a non-transitory  
11 computer-readable medium; and (4) program instructions stored on the non-transitory computer-  
12 readable medium that, when executed by the one or more processors, cause the first zone player to  
13 perform functions comprising: while operating in a standalone mode in which the first zone player  
14 is configured to play back media individually in a networked media playback system comprising  
15 the first zone player and at least two other zone players: (i) receiving, from a network device over  
16 a data network, a first indication that the first zone player has been added to a first zone scene  
17 comprising a first predefined grouping of zone players including at least the first zone player and a  
18 second zone player that are to be configured for synchronous playback of media when the first  
19 zone scene is invoked; and (ii) receiving, from the network device over the data network, a second  
20 indication that the first zone player has been added to a second zone scene comprising a second  
21 predefined grouping of zone players including at least the first zone player and a third zone player  
22 that are to be configured for synchronous playback of media when the second zone scene is  
23 invoked, wherein the second zone player is different than the third zone player; (5) after receiving  
24 the first and second indications, continuing to operate in the standalone mode until a given one of  
25 the first and second zone scenes has been selected for invocation; (6) after the given one of the  
26 first and second zone scenes has been selected for invocation, receiving, from the network device  
27 over the data network, an instruction to operate in accordance with a given one of the first and  
28 second zone scenes respectively comprising a given one of the first and second predefined

1 groupings of zone players; and (7) based on the instruction, transitioning from operating in the  
 2 standalone mode to operating in accordance with the given one of the first and second predefined  
 3 groupings of zone players such that the first zone player is configured to coordinate with at least  
 4 one other zone player in the given one of the first and second predefined groupings of zone players  
 5 over a data network in order to output media in synchrony with output of media by the at least one  
 6 other zone player in the given one of the first and second predefined groupings of zone players.

7       88. For example, the Accused Products do not include the claimed “zone scene[s],”  
 8 including at the one or more claimed “zone players.” “Zone scene” functionality is not included in  
 9 any of the Accused Products. The Accused Products in certain configurations and instances  
 10 include conventional speaker grouping functionality. But the patent repeatedly distinguishes  
 11 conventional speaker grouping from the claimed “zone scene” technology. For example, the ’885  
 12 patent describes speaker groups as “groups.” *E.g.*, ’885 patent at 1:62-2:17. To contrast, the ’966  
 13 patent describes “one aspect of the present invention” as “a mechanism [] provided to allow a user  
 14 to group some of the players according to a theme or scene . . . .” *E.g.*, *id.* 2:38-41. None of the  
 15 Accused Products provide the “zone scene” functionality as described in the ’885 patent, including  
 16 at the one or more claimed “zone players,” but instead only contain conventional speaker grouping  
 17 in certain configurations or instances. Some products, such as the Chromecast (1st gen), do not  
 18 support speaker grouping at all. Because the term “zone scene” is included in every independent  
 19 claim of the ’885 patent, none of the Accused Products infringe any claims of the ’885 patent.

20       89. No third party infringes any claim of the ’885 patent by using a Google product or  
 21 service. Google has not caused, directed, requested, or facilitated any such infringement, much  
 22 less with specific intent to do so. The Accused Products are not designed for use in any  
 23 combination which infringes any claim of the ’885 patent. To the contrary, each has substantial  
 24 uses that do not infringe any claim of the ’885 patent.

25       90. A substantial, immediate, and real controversy therefore exists between Google and  
 26 Sonos regarding whether Google infringes the ’885 patent. A judicial declaration is appropriate  
 27 and necessary to determine the parties’ respective rights regarding the ’885 patent.  
 28

91. Google seeks a judgment declaring that Google does not directly or indirectly infringe any claim of the '885 patent.

## TENTH COUNT

## **(Declaration of Invalidity of 10,848,885)**

92. Google restates and incorporates by reference the allegations in paragraphs 1 through 91 of this Complaint as if fully set forth herein.

93. Due to Sonos's filing of the complaint in the Western District of Texas and service of infringement contentions pursuant to Patent Local Rules 3-3 and 3-4, an actual controversy exists between Google and Sonos as to the validity of the '885 Patent.

94. The claims of the ‘885 Patent are invalid, in whole or in part, for failure to meet one or more requirements of Title 35 of the United States Code, including but not limited to §§ 101, 102, 103, and/or 112.

95. By way of example, the asserted claims of the '885 patent are invalid based on one or more of Sonos's own products and patents, Logitech Squeezebox devices, and the prior art references listed on the face of the patents.

96. Under the Federal Declaratory Judgment Act, 28 U.S.C. § 2201 et seq., Google requests a judicial determination and declaration that the claims of the ‘885 Patent are invalid.

ELEVENTH COUNT

### **(Breach of Contract)**

97. Google restates and incorporates by reference the allegations in paragraphs 1 through 94 of this Complaint as if fully set forth herein.

98. Google and Sonos entered into the Content Integration Agreement in or around November 2013. Ex. 3. The Content Integration Agreement is a valid and enforceable contract.

99. Google did all or substantially all of the things that the Content Integration Agreement required it to do.

100. Sonos breached the terms of the Content Integration Agreement by, among other things, attempting to “claim for itself or for any third party any right, title, interest or license to” the Provider Developments and/or the Integrated Service Offering.

101. Sonos's breach was grossly negligent, willful, a breach of confidentiality and/or a willful misappropriation of Google's intellectual property.

102. Google has suffered economic harm and incurred damages as a direct and proximate result of Sonos's breach in an amount to be proven at trial.

5 103. Sonos's conduct was a substantial factor in causing Google harm.

## **TWELFTH COUNT**

### **(Breach of the Implied Covenant of Good Faith and Fair Dealing)**

104. Google restates and incorporates by reference the allegations in paragraphs 1 through 103 of this Complaint as if fully set forth herein.

10 105. The Content Integration Agreement that Google and Sonos entered into in or  
11 around November 2013 incorporates an implied duty of good faith and fair dealing.

12        106. Google did all or substantially all of the things that the Content Integration  
13 Agreement required it to do.

14        107. Implied in the contract is a covenant that Sonos will act in good faith and deal  
15 fairly with Google. Sonos has breached the implied covenant of good faith and fair dealing owed  
16 to Google by, inter alia, attempting to use the collaboration information that Google shared with  
17 Sonos, including Google's disclosures to Sonos, against Google. By doing so, Sonos was acting  
18 for a purpose contrary to that for which the contract was made, and prevented Google from  
19 receiving the benefits of the contract. Sonos failed to act fairly and in good faith.

108. Google has suffered harm and incurred damages as a direct and proximate result of  
Sonos's breach in an amount to be proven at trial.

## THIRTEENTH COUNT

## **(Conversion)**

24       109. Google restates and incorporates by reference the allegations in paragraphs 1  
25 through 108 of this Complaint as if fully set forth herein.

26        110. Google, not Sonos, conceived of the cloud queue idea. Thus, Google should have  
27 been named as an inventor and owner, and has a right to possession of, any patents arising from or

related to the cloud queue technology, including, without limitation, Sonos's alleged "cloud queue" patents. *See* Dkt. No. 38 (11-23-2020 Hearing Tr.) at 17:3-8.

3       111. Sonos wrongfully exercised dominion over patents that Sonos contends cover  
4 Google’s cloud queue idea. For example, Sonos filed for patents that it contends cover Google’s  
5 cloud queue technology, including the ‘615 and ‘033 patents that Sonos refers to as its “cloud  
6 queue patents.” Sonos named itself as the sole owner of these patents. Sonos was aware that  
7 Google, not Sonos, came up with the idea for the cloud queue, and that excluding Google as an  
8 owner or inventor on these patents was wrongful. By filing patents on Google’s intellectual  
9 property, Sonos has willfully and without lawful justification appropriated Google’s property as its  
10 own without the consent of Google.

11        112. Google has suffered non-economic harm and damages, including, but not limited  
12 to, reputational harm, as a direct and proximate result of Sonos's unlawful conversion.

## **PRAYER FOR RELIEF**

14 || WHEREFORE, Google prays for judgment as follows:

15           A.     Declaring that the Accused Products do not infringe, directly or indirectly,  
16           the Patents-in-Suit, either literally or under the Doctrine of Equivalents;

17                  B.        A declaration that Google does not induce infringement of the Patents-in-  
18                  Suit;

19 C. A declaration that Google does not contributorily infringe on the Patents-in-  
20 Suit;

21                  D. A declaration that judgment be entered in favor of Google and against  
22 Sonos on Google's claims;

23           E.     A declaration that the '615 and '033 patents and any Sonos intellectual  
24        property on the cloud queue technology is Google's and/or an order requiring Sonos to  
25        assign such intellectual property to Google;

26 F. A finding that this is an exceptional case under 35 U.S.C. § 285;

27 G. A finding that Sonos breached the Content Integration Agreement;

H. An award to Google of its costs and attorneys' fees in connection with this action;

I. An award to Google of all remedies provided under law, including monetary damages and/or imposition of a constructive trust over for Sonos's breach of the Content Integration Agreement, including a constructive trust over the '615 and '033 patents and any other intellectual property claimed to be owned by Sonos that covers intellectual property owned by Google; and

J. Granting Google such further and additional relief as the Court deems just and proper.

DATED: November 16, 2021

**QUINN EMANUEL URQUHART &  
SULLIVAN, LLP**

By /s/ Charles K. Verhoeven  
Charles K. Verhoeven  
Attorneys for GOOGLE LLC

## **DEMAND FOR JURY TRIAL**

Pursuant to Rule 38(b) of the Federal Rules of Civil Procedure, Google respectfully demands a trial by jury on all issues triable by jury.

DATED: November 16, 2021

**QUINN EMANUEL URQUHART &  
SULLIVAN, LLP**

By /s/ Charles K. Verhoeven  
Charles K. Verhoeven  
Attorneys for GOOGLE LLC